



MINIMUM REQUIREMENTS FOR SUBMITTAL OF **NEW SINGLE & *MULTI-FAMILY RESIDENTIAL**

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The major codes adopted by the City of Upland are:

2010 CBC, CPC, CMC, CEC, CRC, CAL GREEN, ENERGY CODE, 2010 CA FIRE CODE

I. SUBMIT TO BUILDING DEPARTMENT:

7 COMPLETE SETS OF PLANS - in ink and drawn to scale, minimum size 24" x 36" sheets.

ALL ITEMS LISTED BELOW SHALL BE ATTACHED TO PLANS

- All plans prepared by professionals shall bear the seal and signature of same in original ink.
- Energy calculations (TITLE 24).
- Soils report and/or geological report.

II. PLANS SHALL CONSIST OF:

1- PLOT PLAN

- Fully dimensioned with legal description of property.
Please remember to include owner's name and address, site address, and Assessor's Parcel Number (APN).
- Lot size and lot lines.
- Set backs of existing buildings and proposed structure(s).
- Show location of sewage disposal system and/or sewer line and size.
- Provide a North arrow.
- Location of existing and/or proposed utilities and all easements and watercourses (drainage).

2- FOUNDATION PLAN

- Provide a fully dimensioned plan view of the foundation showing all footings, piers, type and size, provide cross sectional footing details showing size, distance below natural grade, and the height above finish grade. All appropriate dimensions must be shown.
- Indicate anchor bolt size and spacing and any hold-down hardware.
- Raised Floors: Show size / spacing / direction of floor joists and girders.

3- FLOOR PLANS

- Provide a drawn to scale and fully dimensioned double lined plan view of proposed job.
- Show all room sizes and their uses.
- Indicate size and location of all doors, windows, and headers.
- Identify all insulated walls and fire rated walls.
- Identify all plumbing fixtures, gas appliances, electrical appliances, electrical outlets, lights and switches (lighting must comply to mandatory energy requirements).
- Electrical service size and location. Calculations are required for dwellings over 1500 sq. ft.



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4- 2nd FLOOR and/or ROOF PLANS

- Show size, spacing, and direction of joists, ceiling joists, beams, and rafters.
- Roof plan to show all ridges, hips, valleys, and roof pitches.
- Identify floor/roof finish material and sheathing underlayment.
- Show all bearing walls and shear walls.
- Truss calculations are required for a proposed pre-fab truss roof. Truss calculations must be signed and sealed by a professional civil or structural engineer; these calculations must be reviewed for compliance by the engineer or architect of record, if any.

5- EXTERIOR ELEVATIONS

- Provide front, rear, left, and right side exterior elevations.
- Show doors, windows, height, finished floor line, exterior finish, and roof pitch.
- Indicate exterior finish, veneer, planters and roof coverings.

6- SECTIONS

- Provide at least 2 cross sections (east>west & north>south) of proposed job.
- Show foundation, wall studs, heights, ceiling joists, rafters, insulation, and roof pitch.
- Indicate size, spacing, and materials proposed.

7- FINISH MATERIALS

- Indicate ceiling, wall, and floor finish materials on plan. (Title 24)

8- SPECIFICATIONS

- Provide complete specifications for concrete, wood, plywood, bolts, fasteners, etc.

9- ENERGY

- Include all documentation indicating compliance with **Title 24** on the plans.
- Provide wall, ceiling, and raised floor **R-values** on cross sections.
- Provide the manufacturer's specifications on any new HVAC equipment proposed or indicate the duct extensions to the addition.
- Identify the **U** and **SHGC** for all fenestration to be installed.
- **Title 24** calculations shall be printed and attached to plans.
- Compliance forms and mandatory measures shall be signed and be incorporated on to plans.

10- SMOKE DETECTORS & CARBON MONOXIDE ALARMS

- Smoke detectors & carbon monoxide alarms shall be installed per CRC section R314 & R315.

"TYPE V" HANDOUT

- For one story wood framed residential construction, the City of Upland's "**TYPE V**" handout is available for general code & construction requirements.

CALCULATIONS

- Submit 1 set of engineering calculations when project is designed by a licensed architect or engineer.

* Multi-Family (3-units or more) must comply to current Disabled Access requirements.

